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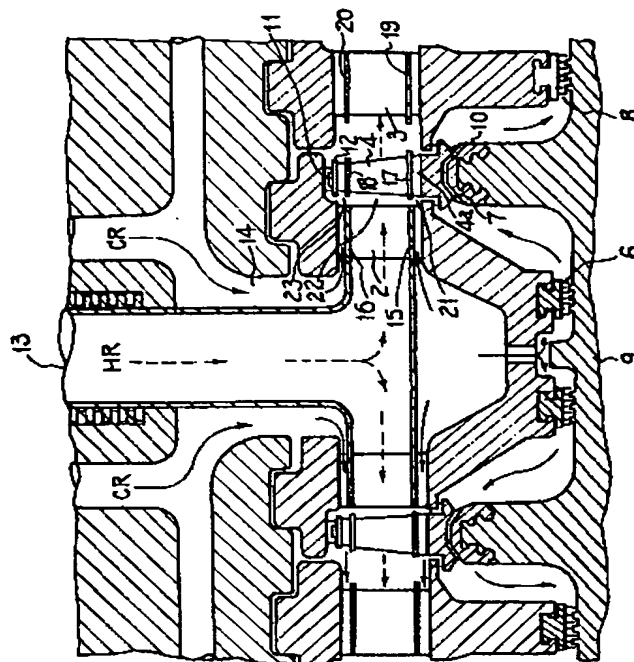
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TITLE : STEAM TURBINE



ABSTRACT : PURPOSE: To suppress a creep speed rate at each section, by separating a steam passage extending from a nozzle plate of re-heating stage to a blade into an inner side, central section and outer side by means of partitions provided at the nozzle plate and the like, and by supplying high temperature and low temperature reheated steams to these sides and section independently.

CONSTITUTION: A steam passage is separated into an inner side 21, central section 22 and outer side 23 by means of circular tubular partitions 15-22 all provided at suitable positions close to roots and tops of each nozzle plate 2 and 3 and a blade 4. A high temperature re-heated steam which is introduced into a steam tube 13 is supplied to the central section 22, while at the same time the inner and outer sides 21 and 23 receive in their steam passages a cooled steam (low temperature reheated steam) which is introduced into a cooling steam tube 14 for cooling down an effective root area 4a, tenon 11 and shroud 12. A part of the cooling steam is further led to a labyrinth portion 6 of a first reheating stage and to a balance hole 7 and the like for cooling down a rotor 9 and a blade- imbedded portion 10.

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